# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 328 | isaac.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 16:18 |
| L2 | 180 | isaac-stanetta.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 16:18 |
| L3 | 4486 | semiconductor adj energy adj laboratory.as. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 17:36 |
| L4 | 43945 | (noble or rare) with gas$2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 18:52 |
| L5 | 662 | 3 and 4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 17:36 |

| L6 | 179 | ("20010034088" \| "20020028543" \| "20020038889" \| "20020086469" \| "20020102764" \| "20020106861" \| "20020142554" \| "20020151120" \| "20020151154" \| "20020164843" \| "20020187594" \| "20020197785" \| "20030060057" \| "20030062499" \| "20030122129" \| "20030132900" \| "20030197179" \| "20040065902" \| "20040108576" \| "3535775" \| "4371403" \| "4477308" \| "4534820" \| "4727044" \| "5244819" \| "5248630" \| "5275896" \| "5403772" \| "5426064" \| "5481121" \| "5488000" \| "5492843" \| "5501989" \| "5508533" \| "5529937" \| "5534716" \| "5543352" \| "5550070" \| "5551984" \| "5563426" \| "5569610" \| "5569936" \| "5580792" \| "5585291" \| "5589694" \| "5595923" \| "5595944" \| "5604360" \| "5605846" \| "5606179" \| "5608232" \| "5612250" \| "5614426" \| "5614733" \| "5616506" \| "5620910" \| "5621224" \| "5624851" \| "5637515" \| "5639698" \| "5646424" \| "5654203" \| "5656825" \| "5663077" \| "5677549" \| "5696003" \| "5696386" \| "5696388" \| "5700333" \| "5705829" \| "5712191" \| "5744824" \| "5773327" \| "5789284" \| "5814540" \| "5843225" \| "5851860" \| "5869363" \| "5888858" \| "5893730" \| "5897347" \| "5915174" \| "5923962" \| "5932893" \| "5949115" \| "5956579" \| "5960252" \| "5961743" \| "5970327" \| "5977559" \| "5985740" \| "5997286" \| "5998838" \| "6013544" \| "6015593" \| "6022458" \| "6027987" \| "6048758" \| "6063654" \| "6066518" \| "6071764" \| "6071766" \| "6072193" \| "6077731" \| "6077758" \| "6083324" \| "6084247" \| "6087679" \| "6093934" \| "6100562" \| "6111557" \| "6121660" \| "6133073" \| "6133075" \| "6133119" \| "6153445" \| "6156590" \| "6156628").PN. OR ("6160268" \| "6162667" \| "6162704" \| "6165824" \| "6168980" \| "6168981" \| "6180439" \| "6184559" \| "6194255" \| "6197624" \| "6201585" \| "6204101" \| "6204154" \| "6207969" \| "6218219" \| "6225152" \| "6232205" \| "6232621" \| "6242290" \| "6251712" \| "6255195" \| "6285042" \| "6287900" \| "6287988" \| "6291275" \| "6294441" \| "6300659" \| "6303415" \| "6303963" \| "6306694" \| "6307214" \| "6316789" \| "6316810" \| "6331457" \| "6337259" \| "6346730" \| "6362507" \| "6376336" \| "6391690" \| "6396147" \| "6399454" \| "6399988" \| "6420758" \| "6426276" \| "6429097" \| "6436745" \| "6461943" \| "6489189" | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 17:40 |

| L7 | 179 | ("20010034088" \| "20020028543" \| "20020038889" \| "20020086469" \| "20020102764" \| "20020106861" \| "20020142554" \| "20020151120" \| "20020151154" \| "20020164843" \| "20020187594" \| "20020197785" \| "20030060057" \| "20030062499" \| "20030122129" \| "20030132900" \| "20030197179" \| "20040065902" \| "20040108576" \| "3535775" \| "4371403" \| "4477308" \| "4534820" \| "4727044" \| "5244819" \| "5248630" \| "5275896" \| "5403772" \| "5426064" \| "5481121" \| "5488000" \| "5492843" \| "5501989" \| "5508533" \| "5529937" \| "5534716" \| "5543352" \| "5550070" \| "5551984" \| "5563426" \| "5569610" \| "5569936" \| "5580792" \| "5585291" \| "5589694" \| "5595923" \| "5595944" \| "5604360" \| "5605846" \| "5606179" \| "5608232" \| "5612250" \| "5614426" \| "5614733" \| "5616506" \| "5620910" \| "5621224" \| "5624851" \| "5637515" \| "5639698" \| "5646424" \| "5654203" \| "5656825" \| "5663077" \| "5677549" \| "5696003" \| "5696386" \| "5696388" \| "5700333" \| "5705829" \| "5712191" \| "5744824" \| "5773327" \| "5789284" \| "5814540" \| "5843225" \| "5851860" \| "5869363" \| "5888858" \| "5893730" \| "5897347" \| "5915174" \| "5923962" \| "5932893" \| "5949115" \| "5956579" \| "5960252" \| "5961743" \| "5970327" \| "5977559" \| "5985740" \| "5997286" \| "5998838" \| "6013544" \| "6015593" \| "6022458" \| "6027987" \| "6048758" \| "6063654" \| "6066518" \| "6071764" \| "6071766" \| "6072193" \| "6077731" \| "6077758" \| "6083324" \| "6084247" \| "6087679" \| "6093934" \| "6100562" \| "6111557" \| "6121660" \| "6133073" \| "6133075" \| "6133119" \| "6153445" \| "6156590" \| "6156628").PN. OR ("6160268" \| "6162667" \| "6162704" \| "6165824" \| "6168980" \| "6168981" \| "6180439" \| "6184559" \| "6194255" \| "6197624" \| "6201585" \| "6204101" \| "6204154" \| "6207969" \| "6218219" \| "6225152" \| "6232205" \| "6232621" \| "6242290" \| "6251712" \| "6255195" \| "6285042" \| "6287900" \| "6287988" \| "6291275" \| "6294441" \| "6300659" \| "6303415" \| "6303963" \| "6306694" \| "6307214" \| "6316789" \| "6316810" \| "6331457" \| "6337259" \| "6346730" \| "6362507" \| "6376336" \| "6391690" \| "6396147" \| "6399454" \| "6399988" \| "6420758" \| "6426276" \| "6429097" \| "6436745" \| "6461943" \| "6489189" \| | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/08/23 17:54 |

| | | | | | | |
|---|---|---|---|---|---|---|
| L8 | 0 | ("7052943").URPN. | USPAT | OR | OFF | 2006/08/23 17:54 |
| L9 | 11568 | ((438/149) or (438/151) or (438/162) or (438/164) or (438/166) or (438/197) or (438/229) or (438/402) or (438/471) or (438/473) or (438/476) or (438/479) or (438/482) or (438/486) or (438/487) or (438/488) or (438/528) or (438/795)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/23 18:51 |
| L10 | 10579 | 9 not 3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 18:52 |
| L11 | 5580 | (((("He" or helium) or ("Ne" or neon) or ("Ar" or argon) or ("Kr" or krypton) or (xe or xeon)) near5 (dop$3 or implant$5)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 18:53 |
| L12 | 330 | 10 and 11 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 18:54 |
| L13 | 25321 | getter$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 18:54 |
| L14 | 64 | 12 and 13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 19:07 |
| S1 | 10340 | ((438/149) or (438/151) or (438/162) or (438/164) or (438/166) or (438/197) or (438/229) or (438/402) or (438/471) or (438/473) or (438/476) or (438/479) or (438/482) or (438/486) or (438/487) or (438/488) or (438/528) or (438/795)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/08/23 18:51 |

# EAST Search History

| S2 | 349 | S1 and ((rare or noble) near2 gas$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 14:27 |
|---|---|---|---|---|---|---|
| S3 | 1397 | S1 and ((rare or noble or inert) near2 gas$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 13:59 |
| S4 | 1363 | S3 and (semiconductor or amorphous or poly) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 14:24 |

| S5 | 166 | ("20010034088" \| "20020086469" \| "20020102764" \| "20020106861" \| "20020151120" \| "20020151154" \| "20020164843" \| "20020187594" \| "20020197785" \| "20030060057" \| "20030122129" \| "20030132900" \| "20040065902" \| "3535775" \| "4371403" \| "4477308" \| "4534820" \| "4727044" \| "5244819" \| "5248630" \| "5275896" \| "5403772" \| "5426064" \| "5481121" \| "5488000" \| "5492843" \| "5501989" \| "5508533" \| "5529937" \| "5534716" \| "5543352" \| "5550070" \| "5551984" \| "5563426" \| "5569610" \| "5569936" \| "5580792" \| "5585291" \| "5589694" \| "5595923" \| "5595944" \| "5604360" \| "5605846" \| "5606179" \| "5608232" \| "5612250" \| "5614426" \| "5614733" \| "5616506" \| "5620910" \| "5621224" \| "5624851" \| "5637515" \| "5639698" \| "5643826" \| "5646424" \| "5654203" \| "5656825" \| "5663077" \| "5677549" \| "5696003" \| "5696386" \| "5696388" \| "5700333" \| "5705829" \| "5712191" \| "5744824" \| "5773327" \| "5789284" \| "5814540" \| "5843225" \| "5851860" \| "5869363" \| "5888858" \| "5893730" \| "5897347" \| "5915174" \| "5923962" \| "5932893" \| "5949115" \| "5956579" \| "5960252" \| "5961743" \| "5970327" \| "5977559" \| "5985740" \| "5997286" \| "5998838" \| "6015593" \| "6022458" \| "6027987" \| "6048758" \| "6063654" \| "6066518" \| "6071764" \| "6071766" \| "6072193" \| "6077731" \| "6077758" \| "6083324" \| "6084247" \| "6087679" \| "6093934" \| "6100562" \| "6111557" \| "6121660" \| "6133073" \| "6133075" \| "6133119" \| "6153445" \| "6156590" \| "6156628" \| "6160268" \| "6162667" \| "6162704" \| "6165824" \| "6168980" \| "6168981" \| "6180439" \| "6184559").PN. OR ("6194255" \| "6197624" \| "6201585" \| "6204101" \| "6204154" \| "6207969" \| "6218219" \| "6225152" \| "6232205" \| "6232621" \| "6242290" \| "6251712" \| "6255195" \| "6285042" \| "6287900" \| "6287988" \| "6291275" \| "6294441" \| "6300659" \| "6303415" \| "6303963" \| "6307214" \| "6316789" \| "6316810" \| "6331457" \| "6337259" \| "6346730" \| "6362507" \| "6376336" \| "6391690" \| "6396147" \| "6399454" \| "6399988" \| "6426276" \| "6436745" \| "6461943" \| "6489189" \| "6512504" \| "6534826" \| "6541294" \| "6579736" \| "6680577" \| "6709902" \| "6737304" \| "6743649").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/11/07 14:01 |

| S6 | 65 | S5 and (noble or rare or inert) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 14:24 |
|---|---|---|---|---|---|---|
| S7 | 187 | S1 and ((rare or noble) near2 (ion$1 or element$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 14:27 |
| S8 | 301 | S1 and ((rare or noble or inert) near2 (ion$1 or element$1)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 14:46 |
| S9 | 394 | (("He" or helium) or ("Ne" or neon) or ("Ar" or argon) or ("Kr" or krypton) or (xe or xeon)) near5 ((dop$3 or implant$5) near5 (semiconductor or (amorphous or poly or crystall$7))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 15:20 |
| S10 | 63 | S9 and (getter$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 15:24 |
| S11 | 56 | (("He" or helium) or ("Ne" or neon) or ("Ar" or argon) or ("Kr" or krypton) or (xe or xeon)) near5 ((dop$3 or implant$5) near5 (semiconductor or (amorphous or poly or crystall$7))) near5 (oxygen or phosphorus or hydrogen) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 16:27 |
| S12 | 10 | S11 and (getter$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 15:24 |
| S13 | 3690 | (oxygen or phosphorus or hydrogen) near3 (getter$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/11/07 16:25 |

| S14 | 21 | S13 same ((("He" or helium) or ("Ne" or neon) or ("Ar" or argon) or ("Kr" or krypton) or (xe or xeon)) near5 (dop$3 or implant$5)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/23 18:53 |
|-----|----|-----|-----|----|----|----|